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(11)

EP 4 437 979 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
26.02.2025 Bulletin 2025/09

(51) International Patent Classification (IPC):
A61F 2/01 ^(2006.01) **A61B 17/221** ^(2006.01)

(43) Date of publication A2:
02.10.2024 Bulletin 2024/40

(52) Cooperative Patent Classification (CPC):
A61F 2/013; A61F 2/0105; A61B 2017/2215;
A61B 2217/005; A61F 2/014; A61F 2002/016;
A61F 2002/018; A61F 2230/0067; A61F 2230/0069;
A61F 2250/0023

(21) Application number: **24194402.4**

(22) Date of filing: **19.01.2018**

(84) Designated Contracting States:
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB
GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO
PL PT RO RS SE SI SK SM TR

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(30) Priority: **20.01.2017 US 201762448802 P**

(62) Document number(s) of the earlier application(s) in
accordance with Art. 76 EPC:
18712727.9 / 3 570 777

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(54) EMBOLIC FILTER SYSTEM

(57) Various aspects of the present disclosure are directed toward an embolic filter system. The embolic filter system generally includes a filter and an elongated element. In some examples, the elongate element extends to a position distal to a proximal end of the filter and operates to protect against medical devices entangling

with the filter. In some examples, the elongate element is soft and compliant and operates with a hemostatic seal to provide for a hemostatic seal within a lumen of the elongate element while maintaining the lumen as a working lumen through which medical devices can be passed.

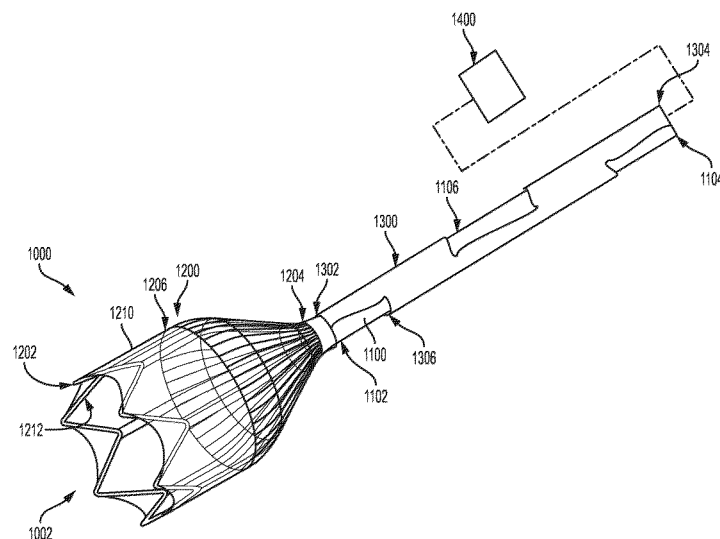


FIG. 1A



EUROPEAN SEARCH REPORT

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 21 January 2025	Examiner Neumann, Elisabeth
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	



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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

☒ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

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☐ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

☐ The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).

**LACK OF UNITY OF INVENTION
SHEET B**

Application Number

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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-3

An embolic filter system comprising an elongate element including a first structural element and a covering material; and a filter portion including a second structural element and a covering material with perforations.

2. claims: 4-7

An embolic filter comprising a filter assembly having two ends and an elongated intermediate portion; and a removable structural element. The filter assembly comprising an expandable filter element having an expandable frame and a filter material.

3. claims: 8-10

An endoprosthesis delivery device comprising an expandable filter element mounted on a catheter shaft, an elongated conduit configured to extend through and beyond the expandable filter element when the expandable filter element is deployed at a treatment site; and wherein the elongated conduit includes at least one aperture through a side wall providing fluid communication between the capture area and an interior of the elongated conduit.

ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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For more details about this annex : see Official Journal of the European Patent Office, No. 12/82